

Transformed

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 1825

**RUBBER HOSES
FOR AIRCRAFT GROUND FUELLING
WITHOUT STATIC CONDUCTING WIRE**

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 1825, *Rubber hoses for aircraft ground fuelling without static conducting wire*, was drawn up by Technical Committee ISO/TC 45, *Rubber*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1825 which was circulated to all the ISO Member Bodies for enquiry in April 1969. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Austria	Iran	Spain
Belgium	Israel	Switzerland
Brazil	Italy	Thailand
Chile	Netherlands	Turkey
Czechoslovakia	New Zealand	U.A.R.
France	Peru	United Kingdom
Greece	Poland	U.S.A.
Hungary	Portugal	U.S.S.R.
India	South Africa, Rep. of	

No Member Body opposed the approval of the Draft.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

**RUBBER HOSES
FOR AIRCRAFT GROUND FUELLING
WITHOUT STATIC CONDUCTING WIRE**

1. SCOPE

This ISO Recommendation sets the minimum acceptable requirements for satisfactory performance of rubber hoses for aircraft ground fuelling without static conducting wire.

Type A

Soft wall, smooth bore, collapsing type hose : primarily for fuelling aircraft from tank trucks or pits where the hose will be rolled flat for stowage on a reel.

Type B

Rigid, smooth bore, non-collapsing type hose : primarily for fuelling aircraft. Not intended for flexible connection between tractor and trailer, nor to be collapsed for drainage.

2. SPECIFICATION**2.1 Pressures**

	Type A	Type B
Maximum working pressure	0.6 MN/m ²	1.0 MN/m ²
Test pressure	1.2 MN/m ²	2.0 MN/m ²
Minimum bursting pressure	3.8 MN/m ²	6.3 MN/m ²

2.2 Dimensions and tolerances

Type	Nominal bore	Tolerance on nominal bore	Mass per metre (without fittings) max.
	mm	mm	kg
A	38	± 1.50	1.2
	50	± 1.50	1.5
	63	± 1.50	1.9
B	38	± 1.50	1.6
	50	± 1.50	2.2
	63	± 1.50	2.6
	76	± 2.00	3.7
	102	± 2.00	8.0